

Scaled data based on original data using

LM-41-14 Approved Method for Photometric Testing Of Indoor Fluorescent Luminaires

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: io LED

Report Number: P#

Luminaire Tested: **LD2B10D010 EU2B1010SP159730 2LBPIN**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P#
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P14823)
Test Lab: INNOVATION CENTER (G1)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LD2B10D010 EU2B1010SP159730 2LBPIN
Description: 1000 Lumen, 2inch Portfolio LED Downlight
SPOT OPTIC
ROUND PINHOLE BLACK OCULUS
Light Source: -
Ballast/Driver: -

Summary

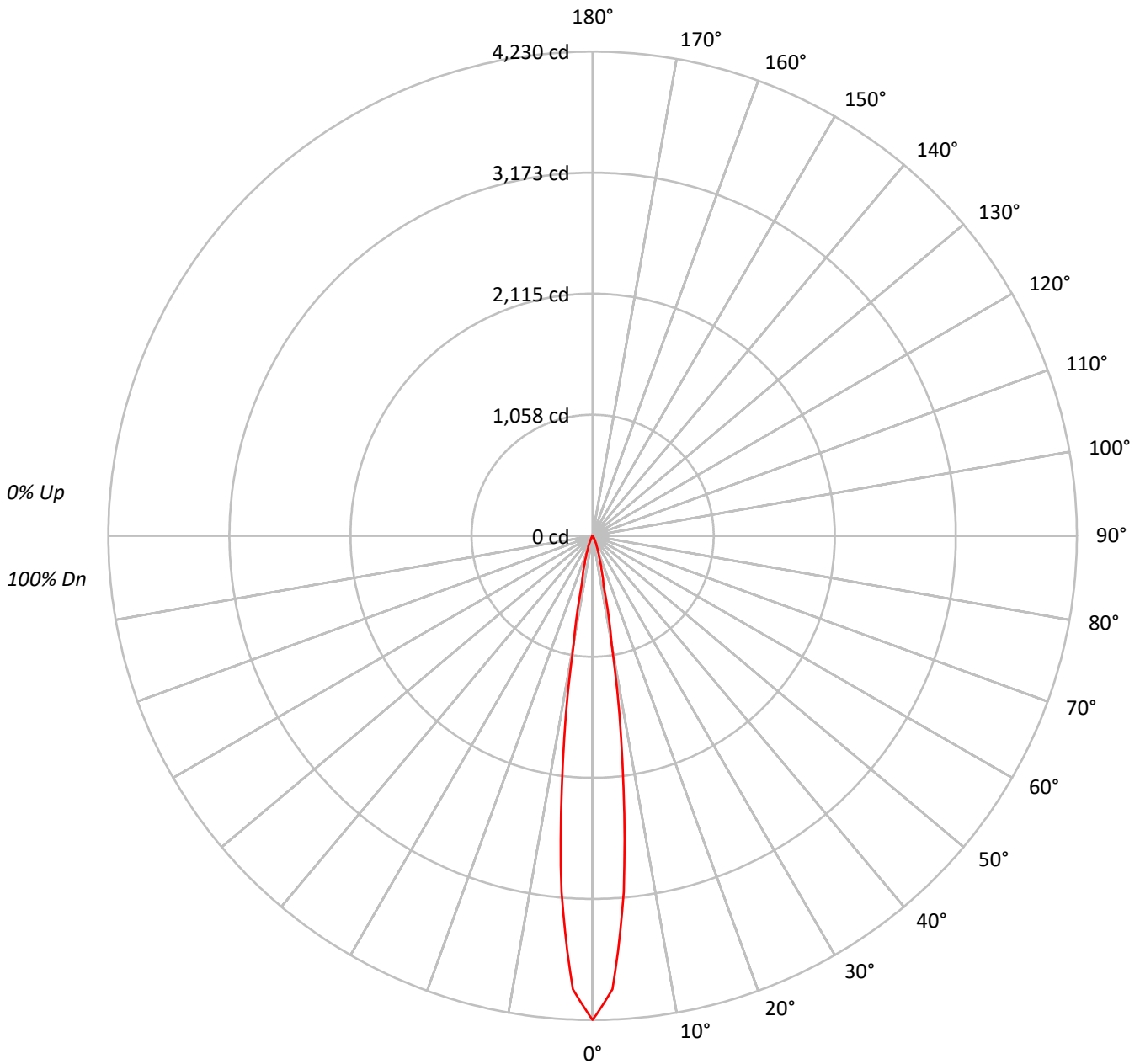
Lumens per Lamp: N/A
Luminaire Lumens: 357.2 lumens
Efficiency: N/A
Efficacy: 34.7 lumens/watt
Spacing Criteria (0/90/45): 0.25 / 0.25 / 0.24
Luminous Opening: Rectangular (W 0.17' x L: 0.17' x H: 0')
CIE Type: Direct

Input Watts (W): 10.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									20
RC	80									50									30									10									0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0										
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100									100										
1	116	114	112	111	113	112	110	109	108	107	106	104	103	103	101	100	100	98									98										
2	113	110	107	105	111	108	106	104	105	103	102	102	101	100	100	99	98	96									96										
3	110	106	103	101	108	105	102	100	103	100	99	100	99	97	98	97	96	95									95										
4	108	103	100	98	106	102	99	97	100	98	96	99	97	95	97	95	94	93									93										
5	105	101	97	95	104	100	97	95	98	96	94	97	95	93	96	94	92	91									91										
6	103	98	95	93	102	98	95	92	97	94	92	95	93	91	94	92	91	90									90										
7	101	96	93	91	101	96	93	91	95	92	90	94	92	90	93	91	89	89									89										
8	100	95	91	89	99	94	91	89	93	91	89	93	90	88	92	90	88	87									87										
9	98	93	90	88	97	93	90	88	92	89	87	91	89	87	91	89	87	86									86										
10	97	92	88	86	96	91	88	86	91	88	86	90	88	86	90	87	86	85									85										

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1638947
5°	1215090
10°	377803
15°	120386
20°	52451
25°	23258
30°	8591
35°	4163
40°	2833
45°	1754
50°	965
55°	1081
60°	620
65°	0
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	225.9	63.3
10°-20°	94.4	26.4
20°-30°	27.0	7.6
30°-40°	6.1	1.7
40°-50°	2.5	0.7
50°-60°	1.2	0.3
60°-70°	0.1	0.0
70°-80°	0.0	0.0
80°-90°	0.0	0.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	347.4	97.2
0°-40°	353.4	98.9
0°-60°	357.1	100.0
0°-90°	357.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	357.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4230	
5°	3124	226
15°	300	94
25°	54	27
35°	9	6
45°	3	3
55°	2	1
65°	0	0
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4229.7
2.5°	3965.7
5°	3123.9
7.5°	1991.6
10°	960.2
12.5°	446.5
15°	300.1
17.5°	186.4
20°	127.2
22.5°	86.4
25°	54.4
27.5°	32.0
30°	19.2
32.5°	12.0
35°	8.8
37.5°	6.4
40°	5.6
42.5°	4.0
45°	3.2
47.5°	2.4
50°	1.6
52.5°	1.6
55°	1.6
57.5°	0.8
60°	0.8
62.5°	0.0
65°	0.0
67.5°	0.0
70°	0.0
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)